

Title (en)

Device for driving a detachable tool member, and combination comprising the device and a boring and facing head.

Title (de)

Vorrichtung zum Steuern eines abnehmbaren Werkzeugteiles und Kombination aus der Vorrichtung und einem Plan- und Ausdrehkopf.

Title (fr)

Dispositif pour commander une pièce d'outil séparable et combinaison comprenant le dispositif et la tête à aléser et à surfacer.

Publication

**EP 0576272 A2 19931229 (EN)**

Application

**EP 93304912 A 19930623**

Priority

US 90340192 A 19920624

Abstract (en)

A servomotor-driven U axis tool member rotation device for a boring and facing head (48) is affixed to a machine by a bracket (29), and has a torque coupling (46, 47) slidable on the servomotor shaft. A cover (39) is mounted to a pivot shaft (41) on the bracket, and is rotated by the servomotor to selectively cover and uncover the torque coupling. The cover pivot shaft has a driven gear (53), and the torque coupling has a driving gear (54). When a U-axis head is disengaged from the torque coupling and machine spindle, the gears are held in mesh by a biasing spring (75) applied to the torque coupling, and the cover may be rotated. When a U-axis head engages the torque coupling, the biasing spring is overcome and the gears are forced out of mesh; at this time, the servomotor may rotate the input tool member of the U-axis head to position its tool, while the cover remains stationary in the open position.

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**B23Q 11/08**

IPC 8 full level

**B23Q 11/08** (2006.01)

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